Contents of volume 31

Volume 31, Nr. 1, 30 October 1996

Papers

- Integrated environment for real-time control and simulation
 W. Grega
- 15 A software testbed for configuring distributed computer control systems G. Hassapis, A. Moschopoulos, D. Theos and G. Giapitzis
- 31 Assessment of logistics software by means of data models: Applied to bills of material, routings and recipes J.C.J. de Heij and R.M.A. Caubo
- 45 Application of intelligent CNC in grinding W.B. Rowe, Y. Li, B. Mills and D.R. Allanson
- 61 A development environment for batch process control D. Troy and R. McQueen
- 85 An object oriented model of materials failures *P.R. Roberge*

Miscellaneous

395 Book review

397 Calendar

Volume 31, Nr. 2, 1 November 1996

Papers

- 99 Feature-composition approach to planning and machining of generic virtual pockets
 - Y.-S. Lee and D. Daftari
- 129 Machining surfaces composed of cyclide patches R. Sarma and D. Dutta
- 143 Re-engineering the ship pre-design process *M. Krömker and K.-D. Thoben*
- 155 A genetic algorithm for job shop scheduling A case study N.S. Hemant Kumar and G. Srinivasan
- 161 A computer aided tolerancing tool I: Tolerance specification

 O.W. Salomons, H.J. Jonge Poerink, F.J. Haalboom, F. van Slooten, F.J.A.M. van Houten and H.J.J. Kals
- 175 A computer aided tolerancing tool II: Tolerance analysis

 O.W. Salomons, F.J. Haalboom, H.J. Jonge Poerink, F. van Slooten, F.J.A.M. van Houten and H.J.J. Kals

Miscellaneous

187 Announcement

189 Calendar

Volume 31, Nr. 3, 30 November 1996

Special issue: Product and Process Data Modelling

Preface

191 Product and Process Data Modelling: Introduction H.J. Pels

Papers

- 195 Process-based view of product data management H. Peltonen, O. Pitkänen and R. Sulonen
- 205 Experiences with product data interchange: On product models, integration, and standardisation W.B. Teeuw, J.R. Liefting, R.H.J. Demkes and M.A.W. Houtsma
- 223 The application of STEP in the automotive supply chain *E. Haag and R.W. Vroom*
- 235 Adopting STEP for in-service configuration control *M. Ashworth, M.S. Bloor, A. McKay and J. Owen*
- 255 A general example model for automotive suppliers of the development process and its related information *R.W. Vroom*
- 281 Product structuring in a small manufacturing enterprise F.J. O'Donnell, K.J. MacCallum, T.D. Hogg and B. Yu
- 293 On the unification of bills of materials and routings *I.P. Tatsiopoulos*
- 305 An integrated environment for product development using STEP/EXPRESS A. Goh, S.C. Hui and B. Song

Miscellaneous

- 315 Contents of volume 31
- 317 Author index to volume 31
- 319 Subject index to volume 31